

QX12A, QX15A

Active Speaker Cabinets

Order ref: QX12A (178.755UK)
QX15A (178.758UK)

User Manual





Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing this QXA series active speaker cabinet, which has been designed to offer flexible and reliable service for a wide range of sound reinforcement applications. Please read this manual to get the best results from this product and avoid damage through misuse.

Package Contents

Please check the contents to ensure that the product has been received in good condition.

- QX series active speaker
- IEC mains power lead(s)

If you find any accessory is missing or the product has arrived with any problems, please contact your retailer at once. This product contains no user-serviceable parts so make no attempt to try to fix or modify this item yourself as this will invalidate the warranty. We recommend you keep the original package and proof of purchase for any possible replacement or returned demand.

Warning

To prevent the risk of fire or electric shock, do not expose this appliance to rain or moisture and avoid ingress of water into the enclosure. To prevent electric shock do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

Safety

Prior to connecting mains, ensure that the supply voltage is correct and the mains lead is in good condition. If the mains fuse blows, refer the unit to qualified service personnel.

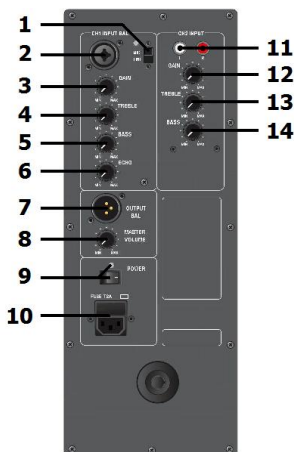
Placement

Keep the unit out of direct sunlight and away from heat sources.
Place the unit in an upright position during use and storage.
Keep the unit away from moisture or dusty environments.

Cleaning

Use a soft cloth with a neutral detergent to clean the cabinet, panel and controls.
To avoid damage, do not use solvents to clean this equipment.

Rear Panel



1. MIC/LINE – Ch.1 input sensitivity switch & LED
2. CH1 INPUT BAL – Ch.1 XLR or 6.3mm input
3. GAIN – Gain control for Ch.1 input
4. BASS – Bass EQ control for Ch.1 input
5. TREBLE – Treble EQ control for Ch.1 input
6. ECHO – Echo effect level control for Ch.1
7. OUTPUT BAL – XLR signal output Ch.1 + Ch.2
8. MASTER VOLUME – Master output control
9. POWER – Mains power switch and LED
10. MAINS INLET – IEC inlet & fuse holder
11. Ch.2 INPUT – Twin RCA line input (summed)
12. GAIN – Gain control for Ch.2 input
13. BASS – Bass EQ control for Ch.2 input
14. TREBLE – Treble EQ control for Ch.2 input

Setup & Operation

With VOLUME and GAIN controls turned down and power switch off, connect the IEC mains lead to an appropriate mains outlet.

If a microphone is to be connected directly into the QRC active speaker, connect it to Channel 1 via XLR or 6.3mm jack and select "MIC" on the sensitivity switch (1). Alternatively, a line level signal may be connected to Channel 1 providing that "LINE" is selected on the sensitivity switch. Connect output of a mixer or any line level signal via RCA lead into Channel 2.

If the combined CH1+CH2 signal is to continue to further active speakers, connect these from the OUTPUT BAL line level XLR. BASS and TREBLE controls should remain pointing vertically (12-o-clock position).

Press the power switch on and, if the input is connected to Channel 1, turn the Channel 1 GAIN control up gradually. Whilst turning up the Channel 1 GAIN control, make sure the line or mic signal is being fed into the Channel 1 input at its maximum level by either turning up the mixer or line input device to full volume or making the loudest sound through the microphone.

Paying attention to the LED at the top of the Channel 1 section, increase GAIN until the LED begins to illuminate red and then turn down slightly until the red illumination disappears.

For Channel 2, increase the GAIN part way to allow some signal through to the speaker to check the sound. Turn up the MASTER VOLUME control until the input signal is heard through the speaker and continue increasing until the desired volume level is reached.

If the channel 2 signal is too low at this point, increase the GAIN to the desired level, taking care to avoid the signal distorting.

Each channel has BASS and TREBLE EQ controls which may be adjusted to the desired tone. Channel 1 also has an ECHO control which adjusts the level of echo effect applied to the microphone input for singers. When using a microphone, care must be taken to avoid feedback (loud squealing or howling sounds caused by the microphone being able to “hear” its own sound through the speaker) This can be avoided by keeping the microphone faced away from the speaker and avoiding high settings of GAIN, TREBLE, BASS and ECHO controls.

Before switching the QRC active speaker off, turn down the MASTER VOLUME control to avoid loud clicks through the speaker. Remove the power lead if the unit is not to be used for long periods of time

Specifications

	QX12A	QX15A
Power supply	220-240Vac 50/60Hz	
Main driver	300mm (12”) 4Ω	380mm (15”) 4Ω
HF unit	38mm (1.5”) Ti comp driver	50mm (2”) Ti comp driver
Output power RMS	200W	250W
Output power Max	400W	500W
SNR	87dB	
THD	0.1%	
Dispersion	90° x 60° (H x V)	
Frequency response	45Hz – 20kHz	40Hz – 20kHz
Max SPL	127dB	129dB
Dimensions	345 x 565 x 320mm	420 x 675 x 370mm
Weight	13.2kg	17.8kg

Troubleshooting

No output and no LEDs lit	Check POWER switch is on
	Check mains lead is connected
	Check mains fuse hasn’t blown
Power LED lit but no sound from external inputs	Check leads are OK and connected properly
	Check volume and on/off switch on external mic or line source
	Check VOLUME controls are not fully down



Disposal: The “Crossed Wheelie Bin” symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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